MATERIAL TRANSFER VEHICLE  

SB-2500e/ex Specifications & Options

**ENGINE**
- SB-2500e: Tier 4i; Caterpillar® C9.3 300 hp (224 kW)@ 1,900 rpm
- SB-2500ex: Tier 3; Caterpillar® C9 300 hp (224 kW) @ 1,900 rpm

**WEIGHTS**
- 78,000 lbs (35,380 kg)

**CONSTRUCTION**
- Heavy-duty conveyor flights and chain. Replaceable wear plate in all high wear areas. Stability without unnecessary weight.

**COOLING SYSTEM**
- Quiet operation, dual, variable speed hydraulically driven fans

**ELECTRICAL SYSTEM**
- Two 4D batteries & 115 amp alternator
- 24v system with master disconnect switches.
- Electric-over-hydraulic solenoids with manual override.

**PROPEL SYSTEM**
- Hydrostatic drive
- Continuously variable speed control with two speed ranges.

**SPEED**
- Maximum working speed: 3.0 mph (4.8 kph)
- Maximum travel speed: 9 mph (14.5 kph)

**BRAKE SYSTEM**
- Hydrodynamic disc caliper brakes, and parking brake

**TIRES**
- 21" (533 mm) wide x 25" (635 mm) interior diameter high-flotation tires.

**OPERATOR STATIONS**
- Two operator stations (left & right side) with deluxe adjustable seats.
- Operator stations can slide 16" (400 mm) out past edge of machine for visibility.
- Center control console pivots to right or left operator seat as needed.

**GROUND CONTROLS**
- (2) front dump hopper control boxes

**FUME EXTRACTION SYSTEM**
- FXS® fume extraction system

**TRUCK DUMP HOPPER**
- Front hopper has swivel support casters. Vibrating floor plate. 9’2” (2,794 mm) wide truck opening (adjustable width option available).
- Hydraulic, adjustable push rollers.
- Hydraulic front hopper baffle adjustable for optimal material flow.

**DUMP HOPPER TRANSVERSE AUGER**
- 29" (737 mm) o.d. cast, segmented auger.
**DUMP HOPPER UNLOADING CONVEYOR (C1)**
- Drag conveyor with 1,000 tph (907 mtph) capacity.
- Dual roller bushing chain.
- Heavy-duty flights 5/8" (16 mm) thick x 7" (178 mm) wide x 56" (1,422 mm) long.
- Conveyor floors lined with replaceable chrome-carbide clad wear plates.

**SURGE BIN**
- 25 tons (22.7 mt) storage capacity.

**REMITING AUGER IN SURGE BIN**
- 29" (737 mm) o.d. cast, segmented augers

**SURGE BIN UNLOADING CONVEYOR (C2)**
- Drag conveyor with 600 tph (544 mtph) capacity.
- Dual roller bushing chain.
- Heavy-duty flights 5/8" (16 mm) thick x 7" (178 mm) wide x 56" (1,422 mm) long.
- Conveyor floors lined with replaceable chrome-carbide clad wear plates.

**PAVER LOADING CONVEYOR (C3)**
- Drag conveyor with 600 tph (544 mtph) capacity.
- Dual roller bushing chain.
- Flights 1/2" (13 mm) thick x 6 1/2" (165 mm) wide x 30" (762 mm) long.
- Conveyor floors lined with replaceable chrome-carbide clad wear plates.
- Insulated conveyor floor.
- Controls interlock with surge bin unloading conveyor.
- Conveyor can be positioned up to 50° to either side of center.
- Conveyor guard rails.

**SERVICE CAPACITY**
- Fuel Tank ................................................................. 150 gal (568 l)
- Hydraulic Fluid Tank ............................................. 96 gal (363 l)

Specifications are subject to change without notice.

Dimensions in brackets are mm.